

MATERIAL SAFETY DATA SHEET

THE PURDUE FREDERICK COMPANY
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SECTION I:

CHEMICAL NAMES AND SYNONYMS: Chlorhexidine Gluconate Solution 4.0%

TRADE NAME: BETASEPT® Surgical Scrub

SECTION II: HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
ISO-PROPYL ALCOHOL (CAS #67-63-0)	D.N.A.	400 P.P.M.		4.00%
CHLORHEXIDINE GLUCONATE - 20% SOLUTION (CAS #18472-51-0)	D.N.A.	D.N.A.	.	4.00%

SECTION III: PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point APPROXIMATELY	200°F	Specific Gravity (H ₂ O = 1)	1.01
Vapor Pressure (mmHg) APPROXIMATELY	1.5 MM	Melting Point D.N.A.	LIQUID
Vapor Density (AIR = 1)	N/A	Evaporation Rate (butyl Acetate - 1) APPROXIMATELY SAME AS WATER	
Solubility in Water SOLUBLE			
Appearance and Odor COLORLESS LIQUID, FAINT ALCOHOL-LIKE ODOR			

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLASHING POINT (method used): 125° F Closed Cup

FLAMMABLE LIMITS: Not Flammable.

LEL: n/a

UEL: n/a

EXTINGUISHING MEDIA: Water

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

REPRODUCED LOCALLY: Formula has 25% or less non-ionic detergents.

SECTION V: REACTIVITY DATA

STABILITY: Stable. **CONDITION TO AVOID:** n/a

INCOMPATIBILITY (Material to Avoid): Anionic Detergents.

HAZARDOUS DECOMPOSITION OR BY PRODUCTS: None

HAZARDOUS POLYMERIZATION: May occur.

CONDITIONS TO AVOID: Storage in excess heat (104° F) over a long period of time.

Section V Reactivity Data

Stability	Unstable		Condition to Avoid:
	Stable	X	N/A

Incompatibility (material to Avoid):

ANIONIC DETERGENTS

Hazardous Decomposition or Byproducts:

NONE

Hazardous Polymerization	May Occur	X	Conditions to avoid:
	Will not Occur		STORAGE IN EXCESS HEAT (104° F) OVER A LONG PERIOD OF TIME

Section VI Health Hazard Data

Routes of Entry	Inhalation?	Skin?	Ingestion?
	NO	NO	UNLIKELY

Health Hazards (acute and Chronic):

HAZARDOUS TO MIDDLE EAR WITH PERFORATED EAR DRUM.

Cardiogenicity:	NTP?	IARC Monograph?	OSHA Regulated?
	NONE	NONE	NO

Signs and Symptoms of Exposure:

NONE KNOWN

Medical Conditions Generally Aggravated by Exposure:

NONE KNOWN

Emergency and First Aid Procedures:

FLUSH WITH WATER FROM EYES OR EARS.

Section VII Precautions for Safe Handling and Use**Steps to be Taken in Case Material is Released or Spilled**

FLUSH WITH WATER

Waste Disposal Method

FLUSH WITH WATER

Precautions to be Taken in Handling and Storing

STORE AT ROOM TEMPERATURE.

Other Precautions:

KEEP OUT OF EYES AND EARS

Section VIII Control Measures**Respiratory Protection (specify Type)**

NONE NEEDED

Ventilation	Local Exhaust	OK	Special
	Mechanical (General)		Other

Protective Gloves:

NONE NEEDED

Eye Protection:

GLASSES IF PUT UNDER PRESSURE

Other Protective Clothing or Equipment

NONE NEEDED

Work Hygienic Practices:

RINSE WITH WATER IF ON SKIN